TOYOTA

KNITTING MACHINE BASIC PATTERN BOOK

BOOK 1

RAGLAN CARDIGANS AND JUMPERS

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TENSIONS

The garments in this book have been designed for three different weights of yarns namely: –

3 ply – 8 stitches and 12 rows = 2.5 cm (1 inch) (Tension 4.1) Hayfield Machine Knit Cones
4 ply – 7 stitches and 10 rows = 2.5 cm (1 inch) (Tension 6.2) Argyll Ferntex or Sportsday Cones
Double Knitting – 6 stitches and 8 rows = 2.5 cm (1 inch) (Tension 9.1) Argyll Ferntex Balls

The tensions stated in this book are for the particular yarns we used, so please check the tension on the yarn you are going to use before commencing to knit your garment.

DECREASING

The decreases on the raglan are achieved by transferring 5 stitches inwards 2 stitches. i.e. Place stitches 1.2.3.4.5. onto needles 3.4.5.6.7. and push empty needle 1 and 2 back to "A" position.
NOTE:– When you reach the final decrease on the raglan shaping and you are unable to decrease the number of stitches called for in the pattern, then only decrease the number of stitches that will leave you with the total stitches called for in the pattern.

HEMS AND RIBBING

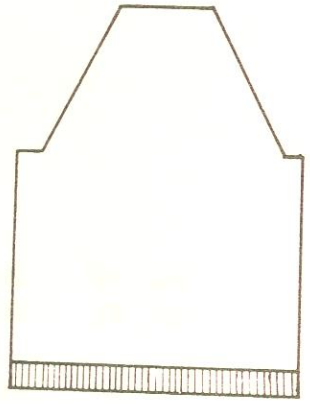
Tensions are not stated for hems and ribbing as each individual has their own preferences are same. However when knitting hems please ensure you knit the hem firmer than the main part of the garment. Remember hems are done on single bed and ribs are knitted using ribbing attachment.

BASIC MEASUREMENTS

Sizes	ins.	18	20	22	24	26	28	30	32	34	36	38	40	42	44
	cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
Bust finished	ins.	20	22	24	26	28	30	32	34	36	38	40	42	44	46
	cm	50	55	60	65	70	75	80	85	90	95	100	105	110	115
Side seam	ins.	6½	7	8	9	10	12	13	14	14	15	16	16	16	16
	cm	16.5	17.5	20	22.5	25	30	33	35	35	38	40	40	40	40
Long sleeve length	ins.	7	7½	9	11	12½	13½	14½	17	18	18	18	19	19	19
	cm	17.5	19	22.5	27.5	31.5	34	36	45	45	45	45	47	47	47
Short sleeve length	ins.	1	1	1½	1½	1½	2	2	2½	2½	3	3	3½	4	4
	cm	2.5	2.5	4	4	4	5	5	6.5	6.5	7.5	7.5	9	10	10
Amount of 3 ply	ozs	3	3	4	5	6	7	8	10	12	14	16	18	19	20
25	grm	4	4	5	6	7	8	9	12	14	16	18	21	22	23
Amount of 4 ply	ozs	5	6	6	7	8	9	10	13	15	16	17	18	22	22
25	grm	6	7	7	8	9	10	12	15	17	18	20	21	25	25
Amount of double knitting	ozs	6	7	8	9	10	12	14	16	17	18	20	21	22	24
25	grm	7	8	9	10	12	14	16	18	20	21	23	24	25	27

Individual requirements may need lengths to be altered, therefore the instructions are marked (or length req) with allows you to adjust to your own individual requirement.

3 PLY



JUMPER BACK—ALL STYLES

TENSION 8 stitches and 12 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
	81	91	99	105	113	121	129	135	145	151	157	165	173	181

1. Cast on XXX stitches.

2. Row counter on "0" knit.
   hem — 36 rows
   rib — 20 rows

3. Change to stocking stitch tension row counter on "0".

4. Knit until row counter reads XXX rows.

56	62	74	86	98	122	146	150	150	162	174	174	174	174

5. Commence raglan by casting off XXX stitches at beginning of next 2 rows.

2	1	3	3	3	4	3	4	4	5	4	6	5	6

6. Knit 4 rows then decrease 2 stitches each end of next and following 4th row until XXX stitches remain.

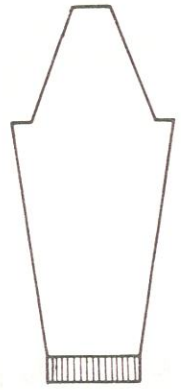
13	21	21	27	27	29	31	31	33	33	33	33	35	37

7. Knit 2 rows.

8. Cast off loosely.

3 PLY

JUMPER LONG SLEEVES

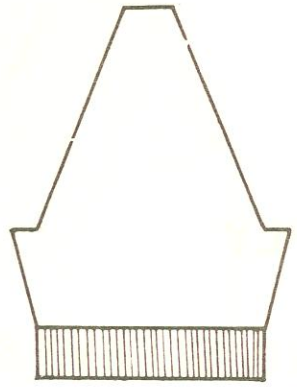


TENSION – 8 stitches and 12 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	47	49	53	57	59	63	67	71	75	77	81	83	85	85
2. Row counter on "0" knit. hem – 36 rows rib – 20 rowz														
3. Change to stocking stitch tension and row counter on "0".														
4. Knit and increase one stitch each end of next and following XXX rows until increased to XXX stitches.	4	4	4	6	6	6	6	6	6	6	6	6	4	4
	77	77	73	77	83	89	91	95	99	109	113	135	121	125
5. Increase one stitch each end of every following XXX row until increased to XXX stitches.	0	0	6	8	8	8	8	8	8	8	88	8	6	6
	77	77	87	87	95	101	107	115	123	129	135	145	151	157
6. Knit straight until row counter reads XXX rows or length required.	62	68	86	110	128	140	152	186	198	198	198	210	210	210
7. Commence raglan shaping by casting off XXX stitches at beginning of next 2 rows.	1	1	3	3	3	3	3	3	4	3	4	6	5	6
8. Decrease as for back until XXX stitches remain.	7	7	9	9	9	9	9	9	11	11	11	13	13	13
9. Knit 2 rows.														
10. Cast off loosely.														

3 PLY



JUMPER SHORT SLEEVES

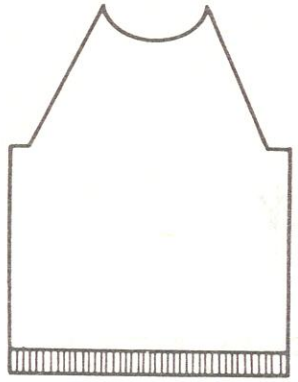
TENSION – 8 stitches and 12 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	75	75	79	79	87	87	93	99	107	107	113	121	123	129
2. Row counter on "0" knit. hem – 18 rows rib – 10 rows														
3. Change to stocking stitch tension and row counter on "0".														
4. Knit and increase one stitch each end of every 2nd row until increased to XXX stitches.	77	77	87	87	95	101	107	115	123	129	135	145	151	157
5. Knit until row counter reads XXX rows of length required.	22	22	28	28	28	34	34	44	44	50	50	56	62	62
6. Commence raglan by casting of XXX stitches at beginning of next 2 rows.	1	1	3	3	3	3	3	4	4	5	4	6	5	6
7. Decrease raglan as for back until XXX stitches remain.	7	7	9	9	9	9	9	11	11	11	11	13	13	13
8. Cast off loosely.														

3 PLY

JUMPER FRONT—ROUND OR POLO NECK



TENSION – 8 stitches and 12 rows = 1 inch (2.5 cm)

SIZES

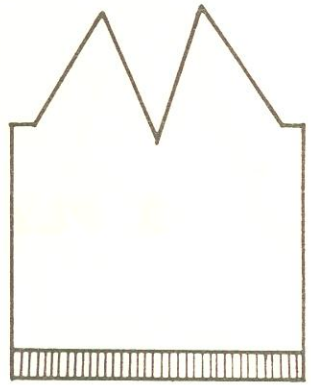
inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Same as back until XXX stitches remain.	37	45	53	59	59	61	63	75	77	81	81	85	83	85
2. Cast off XXX stitches at the centre of work.	7	11	11	15	15	15	17	17	17	17	17	17	19	19
3. Work on one half only and at same time continue raglan shaping as before and decrease one stitch at neck edge every 2nd row XXX times.	3	5	5	6	6	7	7	7	8	8	8	8	8	9

4. Continue raglan shaping until all stitches are decreased.

5. Work second half of neck same as first half.

3 PLY

FRONT JUMPER V. NECK



TENSION – 8 stitches and 12 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110

1. Same as jumper back until you commence to cast off for raglan.
2. Cast off XXX stitches at beginning of next 2 rows.

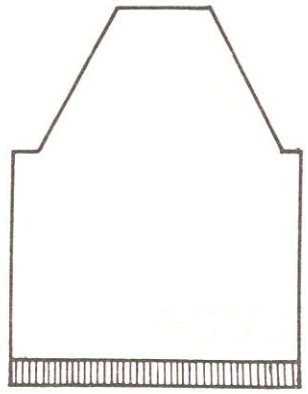
2	2	3	3	4	4	4	4	5	5	5	6	6	6

3. Place half needles to "E" position and work on remaining half only.
4. Decrease raglan same as back and at same time decrease one stitch at neck edge every 6th row XXX times.

6	10	10	13	13	14	15	15	16	16	16	16	17	18

5. Continue raglan shaping until 3 stitches – cast off.
6. Shape other side of neck same as one just finished.

3 PLY



CARDIGAN BACK—ALL STYLES

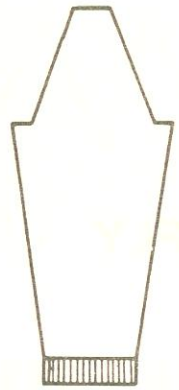
TENSION – 8 stitches and 12 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	100
1. Cast on XXX stitches.	85	93	101	107	115	123	131	137	147	153	159	167	175	183
2. Row counter on "0" knit. hem – 36 rows rib – 20 rows														
3. Change to stocking stitch tension row counter on "0".														
4. Knit in stocking stitch until row counter reads XXX rows.	60	66	78	90	102	126	150	154	154	166	178	178	178	178
5. Commence raglan by casting off XXX stitches at beginning of next 2 rows.	1	1	3	3	3	4	3	4	4	5	4	6	5	6
6. Knit 4 rows then decrease 2 stitches each end of next and following 4th row until decreased to XXX stitches.	15	23	23	29	29	31	33	33	35	35	35	35	37	39
7. Cast off loosely.														

3 PLY

CARDIGAN SLEEVES



TENSION – 8 stitches and 12 rows = 1 inch (2.5 cm)

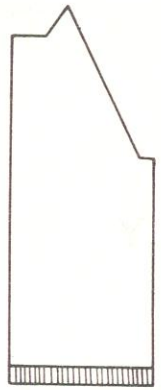
SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	85	100	105	110
	49	51	55	59	61	65	69	73	77	79	83	85	87	87
	4	4	4	6	6	6	6	6	6	6	6	6	4	4
	79	79	75	79	85	91	93	97	101	111	115	137	123	127
	–	–	6	8	8	8	8	8	8	8	8	8	6	6
	79	79	89	89	97	103	109	117	125	131	137	145	153	159
	66	72	90	114	132	144	156	190	202	202	202	214	214	214
	1	1	3	3	3	4	3	4	4	5	4	5	5	6
	9	9	11	11	11	11	11	13	13	13	13	15	15	15

1. Cast on XXX stitches.
2. Row counter on "0" knit.
   hem – 36 rows
   rib – 20 rows
3. Change to stocking stitch tension – row counter on "0".
4. Knit in stocking stitch and increase one stitch each end of next and following XXX row until increased to XXX stitches.
5. Then increase one stitch each end of every following XXX row until increased to XXX stitches then knit straight until row counter reads XXX rows.
6. Commence raglan by casting off XXX stitches at the beginning of next 2 rows.
7. Decrease raglan same as back and decrease until XXX stitches remain.
8. Cast off loosely.

3 PLY

CARDIGAN FRONT—ROUND NECK



TENSION – 8 stitches and 12 rows = 1 inch (2.5 cm)

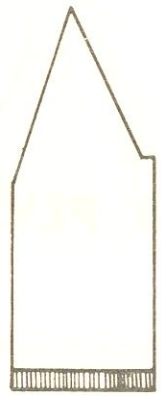
SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	40	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	41	45	49	53	57	61	65	67	73	75	79	83	87	91
2. Row counter on "0" knit. hem – 36 rows rib – 20 rows														
3. Row counter on "0" change to stocking stitch tension.														
4. Knit stocking stitch until row counter reads XXX rows.	60	66	78	90	102	126	150	154	154	166	178	178	178	178
5. Commence raglan by casting off XXX stitches at the beginning of next row – then knit 4 rows.	1	1	2	2	4	3	4	3	5	5	6	6	5	6
6. Decrease on raglan side only same as back until decreased to XXX stitches.	18	22	25	29	29	30	31	36	38	40	41	41	42	43
7. Cast off at neck edge XXX stitches – continue raglan shaping as before at same time decrease one stitch at neck edge every 2nd row XXX times.	4	4	5	5	6	6	6	6	6	6	7	7	8	8
	3	7	5	10	9	9	10	9	11	10	10	10	12	9

8. Continue raglan shaping only until all stitches are decreased.
9. Knit a second piece with reverse shaping.

3 PLY

CARDIGAN FRONT—V/NECK



TENSION – 8 stitches and 12 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110

1. Knit same as cardigan front round neck until shape raglan.

2. Commence raglan by casting off XXX stitches at beginning of next row.

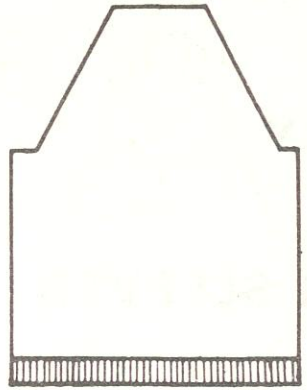
   Continue raglan as for back and at the same time decrease 1 stitch every XXX rows until XXX stitches have been decreased off the neck edge.

2	2	3	3	4	4	4	4	5	5	5	6	6	6
6	6	6	6	6	6	6	6	6	6	7	7	7	8
8	12	12	15	15	16	17	17	18	18	18	18	19	20

3. Continue raglan shaping until all stitches have been cast off.

4. Knit other front with reverse shaping.

4 PLY



JUMPER BACK—ALL STYLES

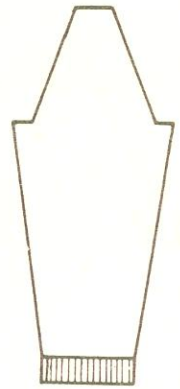
TENSION – 7 stitches and 10 rows = 1 inch (2.5 cm)

SIZES

	inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
	cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.		73	79	89	93	99	107	115	121	125	135	141	149	155	163
2. Row counter on "0" knit. hem – 36 rows rib – 20 rows															
3. Change to stocking stitch tension – row counter on "0".															
4. Knit until row counter reads XXX rows.		52	58	64	72	82	102	112	126	126	136	146	146	146	146
5. Commence raglan by casting off XXX stitches at beginning of next 2 rows – knit 4 rows.		1	1	3	4	3	4	4	5	5	5	6	5	6	7
6. Decrease 2 stitches each end of next and following 4th row until decreased to XXX stitches.		15	21	23	25	25	27	27	27	31	33	33	35	35	41
7. Knit 4 rows.															
8. Cast off loosely.															

4 PLY

JUMPER LONG SLEEVES



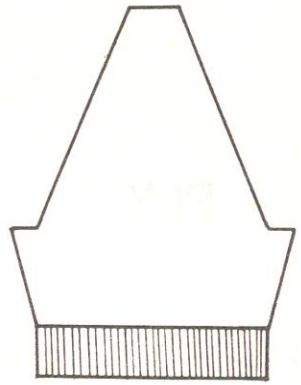
TENSION – 7 stitches and 10 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
	43	45	49	49	51	55	57	59	63	67	71	75	79	79
1. Cast on XXX stitches.														
2. Row counter on "0" knit. hem – 36 rows rib – 20 rows														
3. Change to stocking stitch tension – row counter on "0".														
4. Knit and increase one stitch each end of next and following XXX row until increased to XXX stitches.	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	63	63	71	75	81	87	95	103	103	111	125	125	131	133
5. Knit straight until row counter reads XXX rows.	56	62	72	92	100	118	128	156	166	166	176	176	176	176
6. Commence raglan by casting off XXX stitches at beginning of next 2 rows.	1	1	3	4	3	4	4	5	5	5	6	5	6	7
7. Decrease raglan as for back until XXX stitches remain.	5	5	5	7	7	7	7	9	9	9	9	11	11	11
8. Knit 4 rows.														
9. Cast off loosely.														

4 PLY

JUMPER SHORT SLEEVES



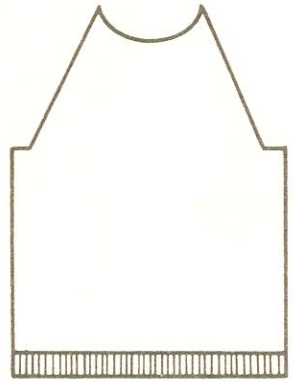
TENSION – 7 stitches and 10 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	24	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	100	100	105	110
1. Cast on XXX stitches.	59	59	65	67	73	77	85	89	89	97	101	105	105	105
2. Row counter on "0" knit. hem – 20 rows rib – 10 rows														
3. Change to stocking stitch tension – row counter on "0".														
4. Knit and increase one stitch each end of every second row until XXX stitches – knit straight for XXX rows or length required.	63	63	71	75	81	87	95	103	103	111	117	125	131	133
	20	20	24	24	24	28	28	36	36	40	40	46	50	50
5. Commence raglan by casting off XXX stitches at beginning of next two rows – then shape raglan as for back until XXX stitches remain.	1	1	3	4	3	4	4	5	5	5	6	5	6	7
	5	5	5	7	7	7	7	9	9	9	9	11	11	11

4 PLY

JUMPER FRONT—ROUND OR POLO



TENSION – 7 stitches and 10 rows = 1 inch (2.5 cm)

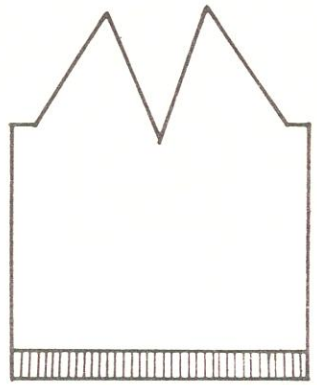
SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
	73	79	89	93	99	107	115	121	125	135	141	149	155	163
	39	41	47	49	49	51	51	59	67	69	69	79	79	85
	7	11	11	13	13	13	13	13	17	17	17	19	19	21
	4	5	6	6	6	7	7	7	7	8	8	8	8	10

1. Cast on XXX stitches and work same as back until shape raglan.
2. Shape raglan as for back and decrease until XXX stitches remain.
3. Knit 2 rows.
4. Cast off the centre XXX stitches and working over half work continue shaping raglan as before and at same time decrease one stitch at neck edge every 2nd row XXX times.
5. Continue raglan shaping only until all stitches have been decreased.
6. Work on remaining needles as shape other side of neck same as first side.

4 PLY

JUMPER FRONT—V/ NECK



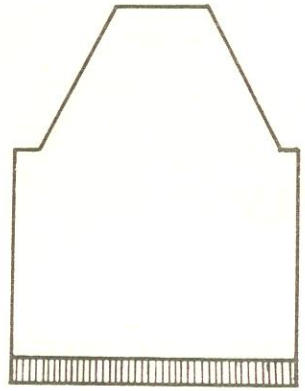
TENSION – 7 stitches and 10 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches and knit same as back until shape raglan.	73	79	89	93	99	107	115	121	125	135	141	149	155	163
2. Commence raglan by casting off XXX stitches at beginning of next 2 rows.	2	2	3	4	4	4	5	5	5	6	6	6	6	7
3. Place half needles to "E" position and working over half work continue raglan shaping as for back and at the same time decrease one stitch at neck edge every 4th row XXX times.	8	11	12	13	13	14	14	14	16	16	16	18	18	18

4. Continue raglan shaping only until all stitches have been cast off.
5. Shape other side of neck same.

4 PLY



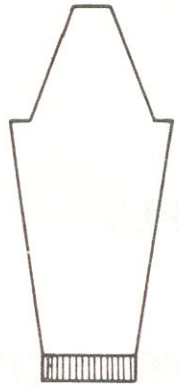
CARDIGAN BACK

TENSION – 7 stitches and 10 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	75	81	91	95	101	109	117	123	127	137	143	151	157	165
2. Row counter on "0" knit. hem – 36 rows rib – 20 rows														
3. Change to stocking stitch tension – row counter on "0".														
4. Knit until row counter reads XXX rows or length required.	56	62	68	76	86	106	116	120	120	130	140	140	140	140
5. Commence raglan by casting off XXX stitches at beginning of next 2 rows.	1	1	3	4	3	4	4	5	5	5	6	5	6	7
6. Knit 4 rows then decrease 2 stitches each end of next and following 4th row until XXX stitches remain.	17	23	25	27	27	29	29	29	33	35	35	37	37	43
7. Cast off loosely.														

4 PLY



CARDIGAN SLEEVE LONG

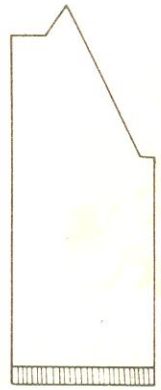
TENSION – 7 stitches and 10 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	45	47	51	51	53	57	59	61	65	69	73	77	81	81
2. Row counter on "0" knit. hem – 36 rows rib – 20 rows														
3. Change to stocking stitch tension – row counter on "0".														
4. Knit and increase 1 stitch each end of every 6th row until increased to XXX stitches.	65	65	73	77	83	89	97	105	105	113	119	127	133	135
5. Knit straight until row counter reads XXX rows or length required.	60	66	76	96	112	122	132	150	160	160	160	170	179	170
6. Commence raglan same as back and decrease to XXX stitches.	7	7	7	9	9	9	9	11	11	11	11	13	13	13
7. Cast off loosely.														

4 PLY

CARDIGAN FRONT—ROUND NECK



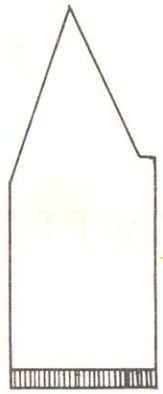
TENSION – 7 sittches and 10 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	37	39	45	47	49	53	57	61	63	67	71	75	79	81
2. Knit same as back until shape raglan.														
3. Commence raglan by casting off XXX stitches at beginning of next row – then knit 4 rows.	2	2	3	4	4	4	5	5	5	6	6	6	6	7
4. Keeping neck edge straight decrease raglan side only same as back until XXX stitches remain.	17	19	24	25	25	25	28	32	34	35	35	39	37	40
5. Cast off XXX stitches at neck edge.	3	3	4	4	5	5	5	6	6	6	7	7	8	8
6. Continue raglan shaping as before and at same time decrease one stitch at neck edge every 2nd row XXX times.	4	5	6	6	6	7	7	7	7	8	8	8	8	10
7. Decrease raglan side only until all stitches have been decreased.														

4 PLY

CARDIGAN FRONT—V/ NECK



TENSION – 7 stitches and 10 rows = 1 inch (2.5 cm)

SIZES

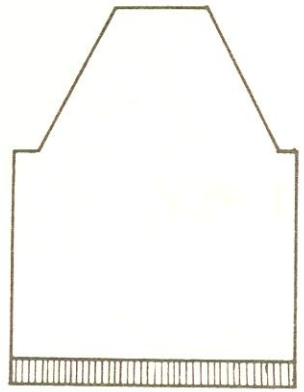
inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches – then knit same as back until shape raglan.	37	39	45	47	49	53	57	61	63	67	71	75	79	81
2. Commence raglan shaping by casting off XXX at beginning of next row – knit 4 rows.	2	2	3	4	4	4	5	5	5	6	6	6	6	7
3. Continue raglan shaping as for back at same time decrease 1 stitch every 4th row XXX times.	9	12	13	14	14	15	15	15	17	18	18	19	19	21

4. Continue raglan shaping only until all stitches have been decreased.

5. Knit second front with reverse shaping.

DOUBLE KNITTING

JUMPER BACK—ALL STYLES



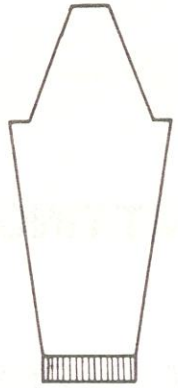
TENSION — 6 stitches and 8 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	63	67	75	79	85	91	97	103	111	115	121	127	133	139
2. Row counter on "0" knit. hem — 36 rows rib — 20 rows														
3. Change to stocking stitch tension — row counter on "0".														
4. Knit until row counter reads XXX or length required.	36	40	48	56	64	80	88	92	92	100	108	108	108	108
5. Commence raglan shaping by casting off XXX stitches at beginning of next 2 rows knit 4 rows.	1	1	3	3	4	3	4	4	4	5	4	5	6	5
6. Decrease 2 stitches each end of next and following 4th row until XXX stitches remain.	17	21	21	25	25	29	29	27	31	33	33	33	37	37
7. Cast off loosely.														

DOUBLE KNITTING

PULLOVER LONG SLEEVES



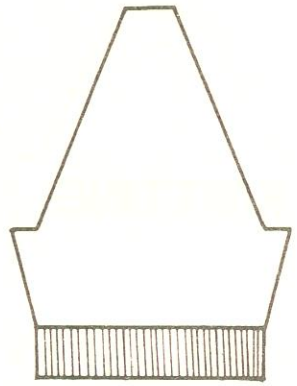
TENSION – 6 stitches and 8 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	41	43	45	47	49	49	51	55	57	59	61	63	65	69
2. Row counter on "0" knit. hem – 36 rows rib – 20 rows														
3. Change to stocking stitch tension – row counter on "0".														
4. Knit and increase 1st each end of next and following 8th row until increased to XXX stitches.	49	49	59	59	65	67	73	83	89	95	95	103	105	111
5. Knit until row counter reads XXX rows.	40	44	56	72	84	92	100	116	124	124	124	132	132	132
6. Commence raglan by casting off XXX stitches at beginning of next 2 rows – knit 4 rows.	1	1	3	3	4	3	4	4	5	4	4	5	6	5
7. Decrease 2 stitches each end of next and following 4th row until decreased to XXX stitches.	3	3	5	5	5	5	5	7	7	7	7	9	9	9
8. Cast off loosely.														

DOUBLE KNITTING

JUMPER SHORT SLEEVES



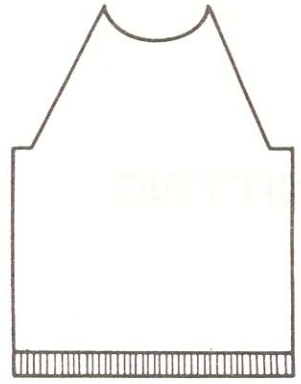
TENSION – 6 stitches and 8 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	47	47	53	53	59	57	63	73	77	75	81	89	89	89
2. Row counter on "0" knit. hem – 20 rows rib – 10 rows														
3. Change to stocking stitch tension – row counter on "0".														
4. Knit and increase one stitch each end of next and following 2nd row until increased to XXX stitches.	49	49	59	59	65	67	73	83	87	89	95	103	105	111
5. Work straight until XXX rows or length required.	20	20	24	24	24	28	28	24	34	38	38	42	46	46
6. Shape raglan same as for Jumper Long Sleeves.														

DOUBLE KNITTING

JUMPER FRONT—ROUND OR POLO NECK



TENSION — 6 stitches and 8 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110

1. Knit same as jumper back until shape raglan.
2. Shape raglan as for jumper back until decreased to XXX stitches.

37	41	41	45	49	53	53	51	63	65	65	69	73	73

3. Knit 2 rows.

9	11	11	15	13	15	15	15	17	17	17	17	19	19

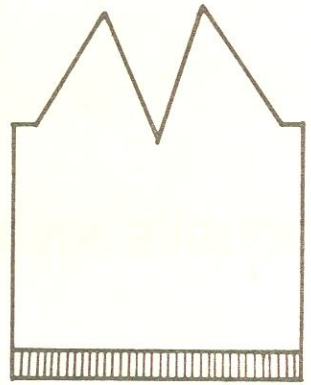
4. Cast off centre XXX stitches.
5. Work on half needles only and continue raglan shaping as before at same time decrease one stitch at neck edge every 2nd row XXX times.

4	5	5	6	6	7	7	7	8	8	8	8	9	9

6. Continue raglan shaping only until all stitches have been decreased.
7. Work other half of neck same as one just shaped.

DOUBLE KNITTING

JUMPER FRONT—V/NECK



TENSION – 6 stitches and 8 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110

1. Same as for jumper back until shape raglan.
2. Commence raglan by casting off XXX stitches at the beginning of next 2 rows – knit 4 rows.

2	2	3	3	3	4	4	5	4	5	5	5	6	6

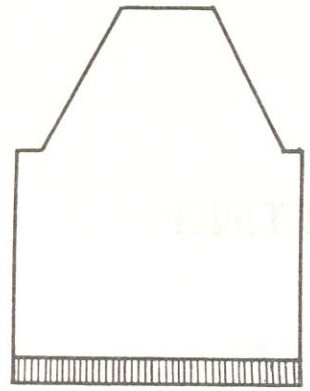
3. Place half needles to "E" position and working on half, decrease raglan as for back and at same time decrease one stitch at neck edge every 3rd row XXX times.

8	10	10	12	12	14	14	13	15	16	16	16	18	18

4. Continue raglan only until all stitches have been decreased.
5. Shape other side of neck same as side just shaped.

DOUBLE KNITTING

CARDIGAN BACK—ALL STYLES



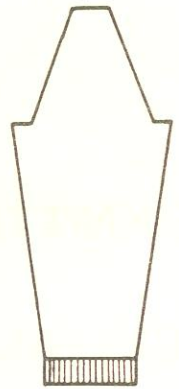
TENSION – 6 stitches and 8 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	65	69	77	81	87	93	99	105	113	117	123	129	135	141
2. Row counter on "0" knit. hem – 36 rows rib – 20 rows														
3. Change to stocking stitch tension – row counter on "0".														
4. Knit until row counter reads XXX rows or length required.	36	40	52	60	64	80	88	96	96	104	112	112	112	112
5. Commence raglan by casting off XXX stitches at beginning of next 2 rows – knit 4 rows.	1	1	3	3	4	3	4	4	4	5	4	5	6	5
6. Decrease 2 stitches each end of next and following 4th row until decreased to XXX stitches.	19	23	23	27	27	31	31	29	33	35	35	35	39	39
7. Cast off loosely.														

DOUBLE KNITTING

CARDIGAN SLEEVES



TENSION – 6 stitches and 8 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	43	45	47	49	51	51	53	57	59	61	63	65	67	71
2. Row counter on "0" knit. hem – 36 rows rib – 20 rows														
3. Change to stocking stitch tension – row counter on "0".														
4. Knit and increase one stitch each end of next and following 6th row until increased to XXX stitches.	51	51	61	61	67	69	75	85	89	91	97	105	107	113
5. Knit straight until row counter reads XXX rows or length required.	44	48	60	76	88	96	104	120	128	128	129	136	136	136
6. Commence raglan by casting off XXX stitches at beginning of next 2 rows – knit 4 rows.	1	1	3	3	4	3	4	4	4	5	4	5	6	5
7. Decrease 2 stitches each end of next and following 4th row until decrease to XXX stitches.	5	5	7	7	7	7	7	9	9	9	9	11	11	11
8. Cast off loosely.														

DOUBLE KNITTING

CARDIGAN FRONT—ROUND NECK

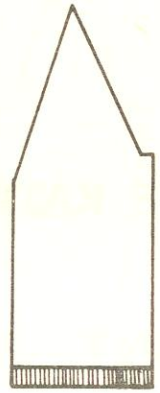
TENSION – 6 stitches and 8 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	242	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on XXX stitches.	31	33	37	39	43	45	49	51	55	57	61	63	67	69
2. Knit as for cardigan back until shape raglan.														
3. Commence raglan by casting off XXX stitches at beginning of next row – knit 3 rows.	2	2	2	2	4	3	4	4	5	4	5	5	6	5
4. Keeping neck edge straight, decrease raglan as for back until XXX stitches remain.														
5. Knit 1 row.	17	19	19	21	25	26	27	25	30	31	32	34	37	36
6. Cast off at neck edge XXX stitches.	2	2	3	3	3	4	4	5	5	5	6	6	6	7
7. Continue raglan shaping and at same time decrease one stitch at neck edge every 2nd row XXX times.	7	9	9	10	10	11	11	9	11	12	11	11	13	12
8. Decrease raglan only until all stitches have been decreased.														
9. Knit second front with reverse shaping.														

DOUBLE KNITTING

CARDIGAN FRONT—V/NECK



TENSION – 6 stitches and 8 rows = 1 inch (2.5 cm)

SIZES

inches	18	20	22	24	26	28	30	32	34	36	38	40	42	44
cm	45	50	55	60	65	70	75	80	85	90	95	100	105	110
	31	33	37	39	43	45	49	51	55	57	61	63	67	69
	2	2	3	3	3	4	4	5	4	5	5	5	6	6
	9	11	11	13	13	15	15	15	16	17	17	17	19	19

1. Cast on XXX stitches.
2. Knit same as for back until shape raglan.
3. Commence raglan by casting off XXX stitches at beginning of next row – knit 4 rows.
4. Decrease raglan as for back at same time decrease one stitch at neck edge every 3rd row XXX times.
5. Continue raglan only until all stitches have been decreased.
6. Knit second front with reverse shaping.

BANDS USING RIBBER

The best method when using ribber to knit jumper or cardigan bands is to knit bands seperately then sew them on to the garment.

Always knit your bands a little shorter than required, so as to enable you to slightly stretch band whilst sewing it to the garment.

When knitting cardigan bands commence by spacing required number of buttonholes along band, then continue to knit band until required length. When sewing band to garment commence on buttonhole side of garment.

BANDS ON SINGLE BED

ROUND NECK CARDIGAN

1. With wrong side of work facing you, pick up long loop along one side of cardigan front. When picking up loops on hem pick up the loops on the back half of hem only.
2. Place needles to "E" position.
3. Tension 1 or 2 dots tighter than main tension.
4. Knit twice width required finishing with carriage on right.
5. There are three methods that can be used to finish of band, namely.

GRAFTED

5A 1. Once again pick up same long loops and hang on needles.
2. When picking up loops on hem, pick up loops that are on the front half of hem.
3. Pull needle forward until the back stitch only falls behind its latch. Push back the needle until the latch is closed over the picked up stitches.
4. Push all needles to "B" position.
5. Cast off all stitches loosely by hand.

5B 1. Knit 1 row on very loose tension.
2. Cast off using crochet hook method.
3. Using needle and wool sew band to garment.

OR

5C 1. Knit 2 rows of contrast colour.
2. Remove work from machine.
3. Undo contrast colour and slip stitch open loops to garment.

NOTE: Method 5A grafted method gives you the firmest band.

6. Knit other side front same only place button holes as required.
7. Join shoulder or raglan seams.
8. Wrong side of garment facing you pick up long loops around neck and top of bands just knitted. When picking up loop on top of front bands pick up same as you did on hem.
9. Repeat 2–5.

V NECK CARDIGAN

1. With shoulder or raglan seams joined, pick up long loops up cardigan front to one shoulder seam.
2. Knit items 2–5 as for round neck cardigan.
3. Pick up loops on other front up cardigan front and across back of neck so as to make only one join on shoulder seam.
4. Repeat item 2.

NOTE: On very large garment it may necessary to have two joins. If this is necessary knit each front up to shoulder seams then knit across back of neck separately.

ROUND NECK JUMPER

1. Sew up one shoulder seam.
2. Wrong side facing you, pick up long loops around neck.
3. Tension 2 dots tighter than main tension knit 5 rows.
4. Tension 2 dots tighter knit 5 rows.
5. Tension 2 dots tighter, knit 10 rows.
6. Tension 2 dots looser, knit 5 rows.
7. Tension 2 dots looser knit 5 rows.
8. If zipper or button opening is used, graft together the long loops at edge of bands.
9. If neckband is to be seamed change wool in yarn feeder and knit 2 rows of contrast colour.
10. Remove knitting from machine.
11. Slip stitch neckband to jumper by hand, loosely catching main colour loops and long loops whilst unpicking contrast colour.

V NECK JUMPER

1. Sew up both shoulder seams or raglan seams.
2. Wrong side facing, pick up long loops from centre front to centre back. At the centre front pick up the knot as well as the loop so as to avoid a hole being formed at the V.
3. Tension 2 dots tighter than main tension.
4. Knit number of rows required for the width of band-decreasing one stitch each row at the centre front of neck.
5. Knit same number of rows as in item 4. — increasing one stitch each row at the centre front of neck.
6. Repeat item 5 as for round neck cardigans.
7. Pick up loops on other half of neck and knit same.
8. Join centre front and centre back seams.

BUTTONHOLES

GRAFTED METHOD

These are knitted using 3 needles for each buttonhole and 20 rows for band. If you are using a different number of rows on the band then an adjustment would have to be made to suit the number of rows you are using.

1. After picking up loops for cardigan band knit 5 rows.
2. Select desired positions for buttonholes by bringing forward to "B" position groups of 3 needles.
3. Transfer the stitches from the groups of 3 needles on to waste wool.
4. Place empty needles into "B" position.
5. Knit one row.
6. Remove the yarn from the buttonhole needles and replace back on to the needles by twisting the yarn thus forming a stitch on each needle.
7. Pull buttonhole needles to "E" position.
8. Knit 9 rows.
9. Looking back at item 6 where you formed 3 stitches by twisting the yarn, you will see 4 loops formed i.e. one each end of the group of 3 needles — one between needle 1 and 2 — one between needle 2 and 3.
10. Pick up these loops and place them on to the three buttonhole needles by using the following method — place the first loop on the first buttonhole needle — place the 4th loop on the 3rd buttonhole needle — place the knot formed between the centre two loops on to the centre buttonhole needle.
11. Pull the buttonhole needles forward until the back stitches fall behind the latches.
12. Push all needles — to "B" position thus forming one stitch on each needles.
13. Cast off the stitches on the buttonhole needles using separate pieces of main colour yarn.
14. Pick up the groups of 3 stitches that was placed on waste yarn in item 3 on to the buttonhole needles.
15. Knit 5 rows.
16. Finish band as for item 5 in round neck cardigan.

TWO STITCH BUTTONHOLE

1. After picking up loops knit 5 rows.
2. Using 2 needles for buttonhole, transfer each stitch outward on to the next needle.
3. Place empty needles in "B" position.
4. Knit one row.
5. Remove yarn from buttonhole needles and replace back on needle twisting the yarn to form a stitch.
6. Place buttonhole needle in "E" position.
7. Knit 9 rows.
8. Repeat items 2–6.
9. Knit 5 rows.
10. Finish band as in item 5 for round neck cardigans.

TWO STITCH BUTTONHOLE (QUICK METHOD)

1. Using two stitches for buttonhole transfer each stitch outwards onto the next needle.
2. Bring forward only one needle to "B" position leaving 2nd needle in "A" position.
3. Knit 2 rows.
4. Pick up loop formed under out of work position needle and place it on empty needle.
5. Continue knitting.

TOYOTA
KNITTING MACHINES

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BLANK PUNCH CARD SETS 747 (10PCS)
BLANK PUNCH CARD SETS 787 (10PCS)
BASIC PATTERN BOOK
PATTERN BOOKS 100–106
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